

## Features

- Supports 10/100/1000Base-T, 1000Base-X protocol
- Flow control for full duplex and half duplex
- Supports Fiber Port Trunking, Increasing Fiber Channel Bandwidth and Supply Fiber Channel Redundancy
- Flow control for full duplex and half duplex
- Supports Ports Based VLANs and TAG Based VLANs
- In conformity to safety code of FCC and CE MARK
- Supports up to 10k byte JUMBO frame



## Product Description

AddOn's AO-GES-42-S is our two port fiber to four port UTP media converter. The media converter is designed with a switch controller and buffer memory that connects two types of media. The UTP port supports all 10/100/1000 Mbps RJ45 Half and Full Duplex modules, and the SFP ports support only 1000Mbps and Full-Duplex modules. The AO-GES-42-S provides reliable and cost effective to your networking needs.

## Technical Parameters

Parameter	
Standard Protocol	10/100/1000Base-T, 1000Base-X
Connector	Four UTP RJ-45 connector, Two SFP slots
Transfer Fiber	multi-mode: 50/125μm, 62.5/125μm or 100/140μm single-mode: 8.3/125μm, 8.7/125μm, 9/125μm or 10/125μm
Power Supply parameter	5V DC 3A
Operation Mode	Full Duplex mode or half duplex mode
TP Cable	Cat5 UTP cable
Environmental Temperature	0°C-60°C
Relative Humidity	5%-90%
Dimensions	40mm x 110mm x 140mm

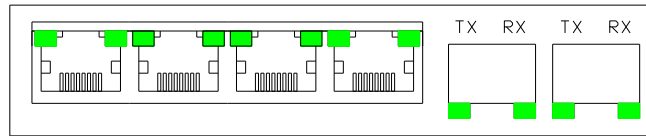


Figure 1 Front Panel of Media Converter

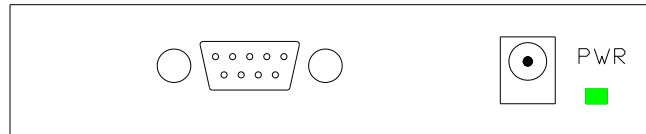


Figure 2 Back Panel of Media Converter

### LED Indicator Lamp Explanation

LED	Function	Status	Description
PWR	Power LED	ON	Power is ON
		OFF	Power is fail
FX-SD (lower right)	Fiber port signal detect LED	ON	Optical signal detected
		OFF	No laser input
FX-LINK/ACT (lower left)	Fiber port link/action status LED	ON	Fiber link is ok
		Blink	Acted
		OFF	Fiber link is fail
TX-SPEED (upper right)	UTP port speed LED	3 Blink	1000M speed
		2 Blink	100M speed
		1 Blink	10M speed
TX-LINK/ACT (upper left)	UTP port link/action status LED	ON	Link is ok
		Blink	Data is been received or transmitted

### Transmission Characteristics of Single Fiber Transceiver

Fiber	Optical Wavelength (m)	Optical Power	Receiving Sensitivity (dBm)	Distance
SM (20km)	1310/1550, 1550/1310	-3~-8	<-22	20km
SM (40km)	1310/1550, 1550/1310	0~-5	<-24	40km
SM (60km)	1310/1550, 1550/1310	0~-3	<-25	60km

### Fiber Transmission Features

Fiber	Optical Wavelength (m)	Optical Power	Receiving Sensitivity (dBm)	Distance
MM	850	-12~-15	<-20	0.55km
SM (20km)	1310	-3~-8	<-22	20km
SM (40km)	1310	0~-5	<-24	40km